Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

EMB

"FIRST AND FINAL BILL"

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

PRE-MEASUREMENT SHEETS

"FIRST AND FINAL BILL"

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Date of Pre-Measurement :

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
1	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)							
	Ananthapura							
	3rd cross LHS							
	Ch: 0 to 12.30m		1	12.30	1.10	1.10	14.88	
	Ch: 0 to 40.30m		1	28.00	1.10	1.10	33.88	
	Ch: 0 to 44.00m		1	3.70	1.10	1.10	4.48	
	Ch: 0 to 58.20m		1	14.20	1.10	1.10	17.18	
	Ch: 0 to 67.40m		1	9.20	1.10	1.10	11.13	
	Ch: 0 to 76.30m		1	8.90	1.10	1.10	10.77	
	Ch: 0 to 85.90m		1	9.60	1.10	1.10	11.62	
	Ch: 0 to 102.40m		1	16.50	1.10	1.10	19.97	
	Ch: 0 to 103.60m		1	1.20	1.10	1.10	1.45	
	Ch: 0 to 112.60m			9.00				
	Ch: 0 to 142.60m		1	30.00	1.10	1.10	36.30	
	Ch: 0 to 149.10m		1	6.50	1.10	1.10	7.87	
	Ch: 0 to 158.70m		1	9.60	1.10	1.10	11.62	
	Ch: 0 to 186.10m		1	27.40	1.10	1.10	33.15	
	3rd cross RHS							
	Ch: 0 to 13.60m		1	13.60	1.10	1.10	16.46	
	Road gap							
	Ch: 0 to 29.30m		1	29.30	1.10	1.10	35.45	
	Road gap							
	Ch: 0 to 29.60m		1	29.60	1.10	1.10	35.82	
	Road gap							
	Ch: 0 to 28.60m		1	28.60	1.10	1.10	34.61	
	Road gap							
	Ch: 0 to 29.20m		1	29.20	1.10	1.10	35.33	
	Road gap							
	Ch: 0 to 29.00m		1	29.00	1.10	1.10	35.09	
	Cross Road - 1, LHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 30.50m		1	0.50	1.10	1.10	0.61	
	Cross Road - 1, RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 31.70m		1	1.70	1.10	1.10	2.06	
	Cross Road - 2, LHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 31.50m		1	1.50	1.10	1.10	1.82	
	Cross Road - 2, RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 31.50m		1	1.50	1.10	1.10	1.82	

	Cross Road - 3, LHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 33.10m		1	3.10	1.10	1.10	3.75	
	Cross Road - 3, RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 33.30m		1	3.30	1.10	1.10	3.99	
	9th main LHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 60.00m		1	30.00	1.10	1.10	36.30	
	Ch: 60.00 to 68.90m		1	8.90	1.10	1.10	10.77	
	9th main RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 60.00m		1	30.00	1.10	1.10	36.30	
	Ch: 60.00 to 90.00m		1	30.00	1.10	1.10	36.30	
	Ch: 90.00 to 96.30m		1	6.30	1.10	1.10	7.62	
	10th main LHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 60.00m		1	30.00	1.10	1.10	36.30	
	Ch: 60.00 to 60.70m		1	0.70	1.10	1.10	0.85	
	10th main RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	1.10	36.30	
	Ch: 30.00 to 60.00m		1	30.00	1.10	1.10	36.30	
	Ch: 60.00 to 67.90m		1	7.90	1.10	1.10	9.56	
	Main Road, LHS							
	Ch: 0 to 22.00m		1	22.00	1.20	1.10	29.04	
	Road gap							
	Ch: 0 to 30.00m		1	30.00	1.20	1.10	39.60	
	Ch: 30.00 to 36.00m		1	6.00	1.20	1.10	7.92	
	Main Road, RHS							
	Ch: 0 to 26.00m		1	26.00	1.20	1.10	34.32	
	Road gap							
	Ch: 0 to 30.00m		1	30.00	1.20	1.10	39.60	
	Ch: 30.00 to 40.00m		1	10.00	1.20	1.10	13.20	
	Road gap							
	Ch: 0 to 25.00m		1	25.00	1.20	1.05	31.50	
	Road gap							
	Ch: 0 to 30.00m		1	30.00	1.20	1.10	39.60	
	Culvert							
	11th main, 3rd cross		1	5.00	1.50	1.10	8.25	
	11th main, 3rd cross		1	5.40	1.50	1.10	8.91	
	11th main, 3rd cross		1	5.60	1.50	1.10	9.24	
	11th main, 3rd cross		1	5.60	1.50	1.10	9.24	
	11th main, 3rd cross		1	5.50	1.50	1.10	9.08	
	Main Road		1	5.60	1.50	1.10	9.24	
			1	5.30	1.50	1.10	8.75	
						Present Qty	**1291.86**	**Cum**

Contractor

NEWZEN CONSULTANT BANGALORE PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Asst. Executive Engineer

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Date of Pre-Measurement :

Item No	Discription of Item		Detailed Measurements No	Length	Breadth	Depth	Qty	Unit
2	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as							
	Ananthapura							
	3rd cross LHS							
	Ch: 0 to 12.30m		1	12.30	1.10	0.15	2.03	
	Ch: 0 to 40.30m		1	28.00	1.10	0.15	4.62	
	Ch: 0 to 44.00m		1	3.70	1.10	0.15	0.61	
	Ch: 0 to 58.20m		1	14.20	1.10	0.15	2.34	
	Ch: 0 to 67.40m		1	9.20	1.10	0.15	1.52	
	Ch: 0 to 76.30m		1	8.90	1.10	0.15	1.47	
	Ch: 0 to 85.90m		1	9.60	1.10	0.15	1.58	
	Ch: 0 to 102.40m		1	16.50	1.10	0.15	2.72	
	Ch: 0 to 103.60m		1	1.20	1.10	0.15	0.20	
	Ch: 0 to 112.60m			9.00				
	Ch: 0 to 142.60m		1	30.00	1.10	0.15	4.95	
	Ch: 0 to 149.10m		1	6.50	1.10	0.15	1.07	
	Ch: 0 to 158.70m		1	9.60	1.10	0.15	1.58	
	Ch: 0 to 186.10m		1	27.40	1.10	0.15	4.52	
	3rd cross RHS							
	Ch: 0 to 13.60m		1	13.60	1.10	0.15	2.24	
	Road gap							
	Ch: 0 to 29.30m		1	29.30	1.10	0.15	4.83	
	Road gap							
	Ch: 0 to 29.60m		1	29.60	1.10	0.15	4.88	
	Road gap							
	Ch: 0 to 28.60m		1	28.60	1.10	0.15	4.72	
	Road gap							
	Ch: 0 to 29.20m		1	29.20	1.10	0.15	4.82	
	Road gap							
	Ch: 0 to 29.00m		1	29.00	1.10	0.15	4.79	
	Cross Road - 1, LHS							
	Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
	Ch: 30.00 to 30.50m		1	0.50	1.10	0.15	0.08	
	Cross Road - 1, RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
	Ch: 30.00 to 31.70m		1	1.70	1.10	0.15	0.28	
	Cross Road - 2, LHS							
	Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
	Ch: 30.00 to 31.50m		1	1.50	1.10	0.15	0.25	
	Cross Road - 2, RHS							
	Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
	Ch: 30.00 to 31.50m		1	1.50	1.10	0.15	0.25	

Cross Road - 3, LHS								
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95		
Ch: 30.00 to 33.10m		1	3.10	1.10	0.15	0.51		
Cross Road - 3, RHS								
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95		
Ch: 30.00 to 33.30m		1	3.30	1.10	0.15	0.54		
9th main LHS								
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95		
Ch: 30.00 to 60.00m		1	30.00	1.10	0.15	4.95		
Ch: 60.00 to 68.90m		1	8.90	1.10	0.15	1.47		
9th main RHS								
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95		
Ch: 30.00 to 60.00m		1	30.00	1.10	0.15	4.95		
Ch: 60.00 to 90.00m		1	30.00	1.10	0.15	4.95		
Ch: 90.00 to 96.30m		1	6.30	1.10	0.15	1.04		
10th main LHS								
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95		
Ch: 30.00 to 60.00m		1	30.00	1.10	0.15	4.95		
Ch: 60.00 to 60.70m		1	0.70	1.10	0.15	0.12		
10th main RHS								
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95		
Ch: 30.00 to 60.00m		1	30.00	1.10	0.15	4.95		
Ch: 60.00 to 67.90m		1	7.90	1.10	0.15	1.30		
Main Road, LHS								
Ch: 0 to 22.00m		1	22.00	1.20	0.15	3.96		
Road gap								
Ch: 0 to 30.00m		1	30.00	1.20	0.15	5.40		
Ch: 30.00 to 36.00m		1	6.00	1.20	0.15	1.08		
Main Road, RHS								
Ch: 0 to 26.00m		1	26.00	1.20	0.15	4.68		
Road gap								
Ch: 0 to 30.00m		1	30.00	1.20	0.15	5.40		
Ch: 30.00 to 40.00m		1	10.00	1.20	0.15	1.80		
Road gap								
Ch: 0 to 25.00m		1	25.00	1.20	0.15	4.50		
Road gap								
Ch: 0 to 30.00m		1	30.00	1.20	0.15	5.40		
Culvert								
11th main, 3rd cross		1	5.00	1.50	0.15	1.13		
11th main, 3rd cross		1	5.40	1.50	0.15	1.22		
11th main, 3rd cross		1	5.60	1.50	0.15	1.26		
11th main, 3rd cross		1	5.60	1.50	0.15	1.26		
11th main, 3rd cross		1	5.50	1.50	0.15	1.24		
Main Road		1	5.60	1.50	0.15	1.26		
		1	5.30	1.50	0.15	1.19		
						Present Qty	**176.37**	**Cum**
						Limitted to	**176.27**	**Cum**

Contractor

NEWZEN CONSULTANTS * BANGALORE * PMC

Assistant Engineer

ಸಹಾಯಕ ಕಾರ್ಯ ಪಾಲಕ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Assistant Executive Engineer

Executive Engineer

PH-9792820231

BRUHAT BANGALORE MAHANAGARA PALIKE

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification							
	Raft							
	Ananthapura							
	3rd cross LHS							
	Ch: 0 to 12.30m		1	12.30	0.90	0.15	1.66	
	Ch: 0 to 40.30m		1	28.00	0.90	0.15	3.78	
	Ch: 0 to 44.00m		1	3.70	0.90	0.15	0.50	
	Ch: 0 to 58.20m		1	14.20	0.90	0.15	1.92	
	Ch: 0 to 67.40m		1	9.20	0.90	0.15	1.24	
	Ch: 0 to 76.30m		1	8.90	0.90	0.15	1.20	
	Ch: 0 to 85.90m		1	9.60	0.90	0.15	1.30	
	Ch: 0 to 102.40m		1	16.50	0.90	0.15	2.23	
	Ch: 0 to 103.60m		1	1.20	0.90	0.15	0.16	
	Ch: 0 to 112.60m			9.00				
	Ch: 0 to 142.60m		1	30.00	0.90	0.15	4.05	
	Ch: 0 to 149.10m		1	6.50	0.90	0.15	0.88	
	Ch: 0 to 158.70m		1	9.60	0.90	0.15	1.30	
	Ch: 0 to 186.10m		1	27.40	0.90	0.15	3.70	
	3rd cross RHS							
	Ch: 0 to 13.60m		1	13.60	0.90	0.15	1.84	
	Road gap							
	Ch: 0 to 29.30m		1	29.30	0.90	0.15	3.96	
	Road gap							
	Ch: 0 to 29.60m		1	29.60	0.90	0.15	4.00	
	Road gap							
	Ch: 0 to 28.60m		1	28.60	0.90	0.15	3.86	
	Road gap							
	Ch: 0 to 29.20m		1	29.20	0.90	0.15	3.94	
	Road gap							
	Ch: 0 to 29.00m		1	29.00	0.90	0.15	3.92	
	Cross Road - 1, LHS							
	Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
	Ch: 30.00 to 30.50m		1	0.50	0.90	0.15	0.07	
	Cross Road - 1, RHS							
	Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
	Ch: 30.00 to 31.70m		1	1.70	0.90	0.15	0.23	
	Cross Road - 2, LHS							
	Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
	Ch: 30.00 to 31.50m		1	1.50	0.90	0.15	0.20	
	Cross Road - 2, RHS							
	Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	

Ch: 30.00 to 31.50m		1	1.50	0.90	0.15	0.20	
Cross Road - 3, LHS							
Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
Ch: 30.00 to 33.10m		1	3.10	0.90	0.15	0.42	
Cross Road - 3, RHS							
Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
Ch: 30.00 to 33.30m		1	3.30	0.90	0.15	0.45	
9th main LHS							
Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
Ch: 30.00 to 60.00m		1	30.00	0.90	0.15	4.05	
Ch: 60.00 to 68.90m		1	8.90	0.90	0.15	1.20	
9th main RHS							
Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
Ch: 30.00 to 60.00m		1	30.00	0.90	0.15	4.05	
Ch: 60.00 to 90.00m		1	30.00	0.90	0.15	4.05	
Ch: 90.00 to 96.30m		1	6.30	0.90	0.15	0.85	
10th main LHS							
Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
Ch: 30.00 to 60.00m		1	30.00	0.90	0.15	4.05	
Ch: 60.00 to 60.70m		1	0.70	0.90	0.15	0.09	
10th main RHS							
Ch: 0 to 30.00m		1	30.00	0.90	0.15	4.05	
Ch: 30.00 to 60.00m		1	30.00	0.90	0.15	4.05	
Ch: 60.00 to 67.90m		1	7.90	0.90	0.15	1.07	
Main Road, LHS							
Ch: 0 to 22.00m		1	22.00	1.10	0.15	3.63	
Road gap							
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
Ch: 30.00 to 36.00m		1	6.00	1.10	0.15	0.99	
Main Road, RHS							
Ch: 0 to 26.00m		1	26.00	1.10	0.15	4.29	
Road gap							
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
Ch: 30.00 to 40.00m		1	10.00	1.10	0.15	1.65	
Road gap							
Ch: 0 to 25.00m		1	25.00	1.10	0.15	4.13	
Road gap							
Ch: 0 to 30.00m		1	30.00	1.10	0.15	4.95	
Wall							
Ananthapura							
3rd cross LHS							
Ch: 0 to 12.30m		2	12.30	0.15	0.60	2.21	
Ch: 0 to 40.30m		2	28.00	0.15	0.60	5.04	
Ch: 0 to 44.00m		2	3.70	0.15	0.60	0.67	
Ch: 0 to 58.20m		2	14.20	0.15	0.60	2.56	
Ch: 0 to 67.40m		2	9.20	0.15	0.60	1.66	
Ch: 0 to 76.30m		2	8.90	0.15	0.60	1.60	
Ch: 0 to 85.90m		2	9.60	0.15	0.60	1.73	
Ch: 0 to 102.40m		2	16.50	0.15	0.60	2.97	
Ch: 0 to 103.60m		2	1.20	0.15	0.60	0.22	
Ch: 0 to 112.60m			9.00				
Ch: 0 to 142.60m		2	30.00	0.15	0.60	5.40	

Ch: 0 to 149.10m		2	6.50	0.15	0.60	1.17	
Ch: 0 to 158.70m		2	9.60	0.15	0.60	1.73	
Ch: 0 to 186.10m		2	27.40	0.15	0.60	4.93	
3rd cross RHS							
Ch: 0 to 13.60m		2	13.60	0.15	0.60	2.45	
Road gap							
Ch: 0 to 29.30m		2	29.30	0.15	0.60	5.27	
Road gap							
Ch: 0 to 29.60m		2	29.60	0.15	0.60	5.33	
Road gap							
Ch: 0 to 28.60m		2	28.60	0.15	0.60	5.15	
Road gap							
Ch: 0 to 29.20m		2	29.20	0.15	0.60	5.26	
Road gap							
Ch: 0 to 29.00m		2	29.00	0.15	0.60	5.22	
Cross Road - 1, LHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 30.50m		2	0.50	0.15	0.60	0.09	
Cross Road - 1, RHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 31.70m		2	1.70	0.15	0.60	0.31	
Cross Road - 2, LHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 31.50m		2	1.50	0.15	0.60	0.27	
Cross Road - 2, RHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 31.50m		2	1.50	0.15	0.60	0.27	
Cross Road - 3, LHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 33.10m		2	3.10	0.15	0.60	0.56	
Cross Road - 3, RHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 33.30m		2	3.30	0.15	0.60	0.59	
9th main LHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 60.00m		2	30.00	0.15	0.60	5.40	
Ch: 60.00 to 68.90m		2	8.90	0.15	0.60	1.60	
9th main RHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 60.00m		2	30.00	0.15	0.60	5.40	
Ch: 60.00 to 90.00m		2	30.00	0.15	0.60	5.40	
Ch: 90.00 to 96.30m		2	6.30	0.15	0.60	1.13	
10th main LHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 60.00m		2	30.00	0.15	0.60	5.40	
Ch: 60.00 to 60.70m		2	0.70	0.15	0.60	0.13	
10th main RHS							
Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
Ch: 30.00 to 60.00m		2	30.00	0.15	0.60	5.40	
Ch: 60.00 to 67.90m		2	7.90	0.15	0.60	1.42	
Main Road, LHS							
Ch: 0 to 22.00m		2	22.00	0.15	0.60	3.96	

	Road gap							
	Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
	Ch: 30.00 to 36.00m		2	6.00	0.15	0.60	1.08	
	Main Road, RHS							
	Ch: 0 to 26.00m		2	26.00	0.15	0.60	4.68	
	Road gap							
	Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
	Ch: 30.00 to 40.00m		2	10.00	0.15	0.60	1.80	
	Road gap							
	Ch: 0 to 25.00m		2	25.00	0.15	0.60	4.50	
	Road gap							
	Ch: 0 to 30.00m		2	30.00	0.15	0.60	5.40	
	Culvert Raft							
	11th main, 3rd cross		1	5.00	1.30	0.20	1.30	
	11th main, 3rd cross		1	5.40	1.30	0.20	1.40	
	11th main, 3rd cross		1	5.60	1.30	0.20	1.46	
	11th main, 3rd cross		1	5.60	1.30	0.20	1.46	
	11th main, 3rd cross		1	5.50	1.30	0.20	1.43	
	Main Road		1	5.60	1.30	0.20	1.46	
			1	5.30	1.30	0.20	1.38	
	Culvert Wall							
	11th main, 3rd cross		2	5.00	0.23	0.55	1.27	
	11th main, 3rd cross		2	5.40	0.23	0.55	1.37	
	11th main, 3rd cross		2	5.60	0.23	0.55	1.42	
	11th main, 3rd cross		2	5.60	0.23	0.55	1.42	
	11th main, 3rd cross		2	5.50	0.23	0.55	1.39	
	Main Road		2	5.60	0.23	0.55	1.42	
			2	5.30	0.23	0.55	1.34	
						Present Qty	**340.12**	**Cum**

Contractor

NEWZEN CONSULTANT BANGALORE PMC

Assistant Engineer

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ಯಲಹಂಕ ಉಪನಗರ ಉಪವಿಭಾಗ,
ಬಿ.ಬಿ.ಎಂ.ಪಿ, ಬೆಂಗಳೂರು-106
Asst. Executive Engineer

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as							
	Ananthapura							
	3rd cross LHS							
	Total Drain length=177.10m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1771.00Nos		1771	1.90		0.61	2052.59	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	177.10		0.61	1944.56	
	3rd cross RHS							
	Total Drain length=159.30m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1593.00Nos		1593	1.90		0.61	1846.29	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	159.30		0.61	1749.11	
	Cross Road - 1, LHS							
	Total Drain length=30.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=305.00Nos		305	1.90		0.61	353.50	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	30.50		0.61	334.89	
	Cross Road - 1, RHS							
	Total Drain length=31.70m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=317.00Nos		317	1.90		0.61	367.40	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	31.70		0.61	348.07	
	Cross Road - 2, LHS							
	Total Drain length=31.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=315.00Nos		315	1.90		0.61	365.09	
	Distribution bar							

	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	31.50		0.61	345.87	
	Cross Road - 2, RHS							
	Total Drain length=31.50m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=315.00Nos		315	1.90		0.61	365.09	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	31.50		0.61	345.87	
	Cross Road - 3, LHS							
	Total Drain length=33.10m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=331.00Nos		331	1.90		0.61	383.63	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	33.10		0.61	363.44	
	Cross Road - 3, RHS							
	Total Drain length=33.30m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=333.00Nos		333	1.90		0.61	385.95	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	33.30		0.61	365.63	
	9th main LHS							
	Total Drain length=68.90m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=689.00Nos		689	1.90		0.61	798.55	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	68.90		0.61	756.52	
	9th main RHS							
	Total Drain length=96.30m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=963.00Nos		963	1.90		0.61	1116.12	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	96.30		0.61	1057.37	
	10th main LHS							
	Total Drain length=60.70m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=607.00Nos		607	1.90		0.61	703.51	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	60.70		0.61	666.49	
	10th main RHS							

	Total Drain length=67.90m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=679.00Nos		679	1.90		0.61	786.96	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		18	67.90		0.61	745.54	
	Main Road, LHS							
	Total Drain length=58.00m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=580.00Nos		580	2.00		0.61	707.60	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	58.00		0.61	672.22	
	Main Road, RHS							
	Total Drain length=121.00m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1210.00Nos		1210	2.10		0.61	1550.01	
	Distribution bar							
	Distribution bar 10mm dia @ 110mm							
	0.61kg/mtr		19	121.00		0.61	1402.39	
	Culvert							
	Total Drain length=38.00m							
	Main bar 10mm dia bar @ 100mm							
	0.61kg/mtr							
	No of U-bar=1149.00Nos		760	2.00		0.61	927.20	
	Distribution bar							
	Distribution bar 10mm dia @ 150mm							
	0.61kg/mtr		26	38.00		0.61	602.68	
							24410.13	
						Present Qty	**24.41**	**Ton**

Contractor

NEWZEN CONSULTANT PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer,

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Date of Pre-Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No.							
	Ananthapura							
	Main Road, LHS							
	Ch: 0 to 22.00m		1	22.00	0.20	0.10	0.44	
	Road gap							
	Ch: 0 to 30.00m		1	30.00	0.20	0.10	0.60	
	Ch: 30.00 to 36.00m		1	6.00	0.20	0.10	0.12	
	Main Road, RHS							
	Ch: 0 to 26.00m		1	26.00	0.20	0.10	0.52	
	Road gap							
	Ch: 0 to 30.00m		1	30.00	0.20	0.10	0.60	
	Ch: 30.00 to 40.00m		1	10.00	0.20	0.10	0.20	
	Road gap							
	Ch: 0 to 25.00m		1	25.00	0.20	0.10	0.50	
	Road gap							
	Ch: 0 to 30.00m		1	30.00	0.20	0.10	0.60	
						Present Qty	**3.58**	**Cum**

Contractor

NEWZEN CONSULTANT BANGALORE PMC

Assistant Engineer

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ಯಲಹಂಕ ವಲಯದ ಉಪವಿಭಾಗ.
ಜಿ.ಬಿ.ಎ.ಎ. ಬೆಂಗಳೂರು-106

Executive Engineer,

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Detail of Pre-Measurement :

Detailed Measurements

	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	KSRRB 300 - Excavation for road, drains and similar works KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3 (P.No-143, I.No-19.1)									
	Pre-measurement sheet no 1 to 2						1291.86			
						Present Qty	**1291.86**	**Cum**	**215.28**	**278112.00**
	KSRRB M2100-10. Providing and laying Plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days including cost of all materials, labour, HOM curing, form works, scaffolding and centering complete as									
	Pre-measurement sheet no 3 to 4						176.27			
						Present Qty	**176.27**	**Cum**	**5421.90**	**955741.00**
3	Providing and laying plain/reinforced cement concrete for side drains using M20 nominal mix concrete with OPC at 300 kgs. With 20mm and sown size granite metal course aggregates at 0.69 cum and fine aggregates at 0.43 cum machine mixed, well compcted for walls and bottom including centring shuttering cost of material HOM of machinary curing etc., complete execluding cost of steel as per MORTH specification									
	Pre-measurement sheet no 5 to 8						340.12			
						Present Qty	**340.12**	**Cum**	**7070.20**	**2404689.00**
4	KSRRB - M2300-14: Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, palcing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining memebrs wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per									
	Pre-measurement sheet no 9 to 11						24.41			
						Present Qty	**24.41**	**Ton**	**73992.24**	**1806160.00**
7	KSRB 4-1.6 ; Providing and laying in position plain cement concrete of Mix 1:2:4 with OPC @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM curing complete as per specifications. Specification No.									
	Pre-measurement sheet no 9 to 11						3.58			
						Present Qty	**3.58**	**Cum**	**5747.32**	**20576.00**

Contractor

NEWZEN CONSULTANT BANGALORE PMC

Assistant Engineer

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of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

of Measurement :

Detailed Measurements

Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
Providing and fixing RCC precast cover slab of 100mm thick for drain in cement concrete 1:1.5:3 using graded granite jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
Ananthapura									
3rd cross LHS									
Ch: 0 to 12.30m		1	12.30			0.00			
Ch: 0 to 40.30m		1	28.00	0.75		21.00			
Ch: 0 to 44.00m		1	3.70	0.00		0.00			
Ch: 0 to 58.20m		1	14.20	0.75		10.65			
Ch: 0 to 67.40m		1	9.20	0.00		0.00			
Ch: 0 to 76.30m		1	8.90	0.75		6.68			
Ch: 0 to 85.90m		1	9.60	0.75		7.20			
Ch: 0 to 102.40m		1	16.50	0.75		12.38			
Ch: 0 to 103.60m		1	1.20	0.75		0.90			
Ch: 0 to 112.60m			9.00						
Ch: 0 to 142.60m		1	30.00	0.75		22.50			
Ch: 0 to 149.10m		1	6.50	0.75		4.88			
Ch: 0 to 158.70m		1	9.60	0.75		7.20			
Ch: 0 to 186.10m		1	27.40	0.75		20.55			
3rd cross RHS									
Ch: 0 to 13.60m		1	13.60	0.75		10.20			
Road gap									
Ch: 0 to 29.30m		1	29.30	0.75		21.98			
Road gap									
Ch: 0 to 29.60m		1	29.60	0.75		22.20			
Road gap									
Ch: 0 to 28.60m		1	28.60	0.75		21.45			
Road gap									
Ch: 0 to 29.20m		1	29.20	0.75		21.90			
Road gap									
Ch: 0 to 29.00m		1	29.00	0.75		21.75			
Cross Road - 1, LHS									
Ch: 0 to 30.00m		1	30.00	0.75		22.50			
Ch: 30.00 to 30.50m		1	0.50	0.75		0.38			
Cross Road - 1, RHS									
Ch: 0 to 30.00m		1	16.50	0.75		12.38			
Ch: 30.00 to 31.70m		1		0.75		0.00			
Cross Road - 2, LHS									
Ch: 0 to 30.00m		1	30.00	0.75		22.50			
Ch: 30.00 to 31.50m		1	1.50	0.75		1.13			
Cross Road - 2, RHS									
Ch: 0 to 30.00m		1	30.00	0.75		22.50			
Ch: 30.00 to 31.50m		1	1.50	0.75		1.13			
Cross Road - 3, LHS									
Ch: 0 to 30.00m		1	8.40	0.75		6.30			
Ch: 30.00 to 33.10m		1	15.20	0.75		11.40			
Cross Road - 3, RHS									
Ch: 0 to 30.00m		1	19.20	0.75		14.40			

28/2/2020

Ch: 30.00 to 33.30m		1		0.75		0.00			
9th main LHS									
Ch: 0 to 30.00m		1	30.00	0.75		22.50			
Ch: 30.00 to 60.00m		1	30.00	0.75		22.50			
Ch: 60.00 to 68.90m		1	8.90	0.75		6.68			
9th main RHS									
Ch: 0 to 30.00m		1	30.00	0.75		22.50			
Ch: 30.00 to 60.00m		1	30.00	0.75		22.50			
Ch: 60.00 to 90.00m		1	30.00	0.90		27.00			
Ch: 90.00 to 96.30m		1	6.30	0.90		5.67			
10th main LHS									
Ch: 0 to 30.00m		1	30.00	0.75		22.50			
Ch: 30.00 to 60.00m		1	30.00	0.75		22.50			
Ch: 60.00 to 60.70m		1	0.70	0.75		0.53			
10th main RHS									
Ch: 0 to 30.00m		1	30.00	0.75		22.50			
Ch: 30.00 to 60.00m		1	30.00	0.75		22.50			
Ch: 60.00 to 67.90m		1	7.90	0.75		5.93			
Main Road, LHS									
Ch. 0 to 22.00m		1	22.00	0.90		19.80			
Road gap									
Ch: 0 to 30.00m		1	30.00	0.90		27.00			
Ch: 30.00 to 36.00m		1	6.00	0.90		5.40			
Main Road, RHS									
Ch: 0 to 26.00m		1	26.00	0.90		23.40			
Road gap									
Ch: 0 to 30.00m		1	30.00	0.90		27.00			
Ch: 30.00 to 40.00m		1	10.00	0.90		9.00			
Road gap									
Ch: 0 to 25.00m		1	25.00	0.90		22.50			
Road gap									
Ch: 0 to 30.00m		1	30.00	0.90		27.00			
					Present Qty	**734.90**	**Sqm**	**2337.00**	**1717450.00**

28/01/2020

Contractor

NEWZEN CONSULTANT PMC BANGALORE

Assistant Engineer

Asst. Executive Engineer

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ಬ.ಬ.ಎಂ.ಪಿ. ಬೆಂಗಳೂರು-106

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Date of Measurement :

Detailed Measurements

No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
	Providing and fixing RCC precast cover slab of 250mm thick made out of CC 1:2:4 and jelly 20mm and down size with steel reinforcement, including form work, lift charges, curing and concrete finished surfaces on both sides etc, complete and as per drawing and the directions of Engineer in-charge. (Data Rate)									
	Culvert									
	11th main, 3rd cross		1	5.00	1.20		6.00			
	11th main, 3rd cross		1	5.40	1.20		6.48			
	11th main, 3rd cross		1	5.60	1.20		6.72			
	11th main, 3rd cross		1	5.60	1.20		6.72			
	11th main, 3rd cross		1	5.50	1.20		6.60			
	Main Road		1	5.60	1.20		6.72			
			1	5.30	1.20		6.36			
						Present Qty	**45.60**	**Sqm**		
						Limitted to	**44.52**	**Sqm**	**5418.00**	**241210.00**

Contractor

PMC CONSULTANT * NEWZEN * BANGALORE

Assistant Engineer

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Executive Engineer

Name of Work: Providing cement concrete road and drain and culverts in AK Colony at Ananthapura Village in Ward No. 03 Attur

Date of Measurement :

Detailed Measurements

Item No	Discription of Item		No	Length	Breadth	Depth	Qty	Unit	Rate	Amount
8	Providing and fixing pre cast solid cement concrete kerb stones made out of CC 1:2:4 with top and bottom width 114 and 165 mm respectively, 400mm high and 450mm in length finished with CM 1:3 plastering and finishing cutting including formwork, curing, including cost of materials, labour charges of machinery, loading and unloading, lead and lift, transportation etc.,complete. As per the direction of Engineer									
	Ananthapura									
	Main Road, LHS									
	Ch: 0 to 22.00m		1	22.00			49.00			
	Road gap									
	Ch: 0 to 30.00m		1	30.00			67.00			
	Ch: 30.00 to 36.00m		1	6.00			13.00			
	Main Road, RHS									
	Ch: 0 to 26.00m		1	26.00			58.00			
	Road gap									
	Ch: 0 to 30.00m		1	30.00			67.00			
	Ch: 30.00 to 40.00m		1	10.00			22.00			
	Road gap									
	Ch: 0 to 25.00m		1	25.00			56.00			
	Road gap									
	Ch: 0 to 30.00m		1	30.00			67.00			
						Present Qty	**399.00**	**Nos**	**432.48**	**172560.00**
						Total				**7596498.00**
						12% GST				**911580.00**
						4% KRIDL				**303860.00**
						Grand Total				**8811938.00**

Contractor

NEWZEN CONSULTANT * BANGALORE *

PMC

Assistant Engineer

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